

AMENDMENTS TO THE CLAIMS

The following listing of claims contains all claims that are, or ever were, in the present application. This listing will replace all prior listings, and versions, of claims in the present application.

Listing of claims:

1 (currently amended). A vibration dampening device for engaging to human skin, comprising: a patch having a nominal width and a nominal length and defines an outer periphery, and wherein said patch has a body contacting surface and an outer surface; and a step member engaged to the patch, wherein said step member (i) comprises a material having an elongation of at least 100 %. (ii) has a distal end that extends beyond the outer periphery and (iii) has freedom of movement with respect to the patch, ~~wherein said body contacting surface is loosely coupled to human skin to allow ease of movement.~~

2 (previously presented). The device of claim 1, wherein the step member has two ends and both ends extend beyond the outer periphery of the patch.

3 (withdrawn). The device of claim 1, further comprising a second step member engaged to the patch, and wherein said second step member has a distal end that extends beyond the outer periphery.

4 (withdrawn). The device of claim 3, wherein the second step member has two ends and both ends extend beyond the outer periphery of the patch.

5 (withdrawn). The device of claim 3, wherein the step member defines a center axis along its length and wherein the second step member defines a center axis along its length, and further wherein the step member and second step member are engaged to the patch such that the center axis of the step member and the center axis of the second step member are generally perpendicular to one another.

6 (previously presented). The device of claim 1, wherein the patch defines a slot, and the step member is engaged to the patch by threading it through said slot.

7 (original). The device of claim 6, wherein the patch defines a second slot, and the step member is engaged to the patch by threading it through the slot and the second slot.

8 (original). The device of claim 7, wherein the step member has two ends and a central portion, and further wherein the step member is slidably engaged to the patch such that the distal end and the other end are adjustably extended away from the outer periphery of the patch by sliding the step member within the slot and the second slot.

9 (original). The device of claim 8, wherein a loop is formed in the central portion of the step member.

10 (withdrawn). The device of claim 7, further comprising a second step member engaged to the patch, and wherein said second step member has a distal end that extends beyond the outer periphery, and further wherein the second step member is engaged by threading it between the outer surface of the patch and the step member.

11 (withdrawn). The device of claim 10, wherein said second step member is adhered to the outer surface of the patch.

12 (withdrawn). The device of claim 8, wherein at least two loops are formed in the central portion of the step member by threading the step member through the slot and the second slot and over and under the patch.

13 (withdrawn and currently amended). The device of claim 1, further comprising one or more wings formed in the outer periphery of the patch, wherein the patch defines a central portion and the wings have freedom of movement with respect to the central portion.

14 (withdrawn and currently amended). The device of claim 13, wherein the wings are formed by slitting through a portion of the patch, wherein the patch defines a central portion and the slitting does not extend to said central portion.

15 (withdrawn). The device of claim 14, wherein the wings are formed by a series of slits cut through the patch at a corner of the patch.

16 (canceled).

17 (canceled).

18 (withdrawn). The device of claim 13, wherein an adhesive is applied on the body contacting surface at the central portion of the patch.

19 (original). The device of claim 1, wherein the patch defines a central portion and the skin-contacting surface at the central portion is constrained from movement with respect to the skin to which the patch is engaged.

20 (original). The device of claim 1, wherein the step member has a length and defines a center axis along its length, and further comprising an extension appended to the distal end of the step member.

21 (withdrawn). The device of claim 20, wherein the extension has two ends and defines an axis along its length, and wherein the extension is appended to the distal end of the step member such that the axis of the extension is substantially perpendicular to the center axis of the step member.

22 (withdrawn). The device of claim 20, wherein the step member defines a width and the extension member has two ends, and further wherein the ends of the extension extend beyond the width of the step member.

23 (withdrawn). The device of claim 20, wherein the step member has two ends and has an extension appended to each end.

24 (withdrawn). The device of claim 1, wherein the step member has a length and defines a center axis along its length, and wherein the patch defines a central opening formed therethrough, and further comprising an extension appended to the step member at a position along its length.

25 (withdrawn). The device of claim 24, wherein the extension is appended to the step member such that the extension is held within the central opening formed through the patch.

26 (withdrawn). The device of claim 25, further comprising a plurality of central openings formed through the patch, and a plurality of extensions appended to the step member such that said extensions are held within the central openings in a one to one relation.

27 (withdrawn). The device of claim 24, wherein the extension defines a center axis along its length and said extension is appended to the step member such that the center axis of the extension is generally perpendicular to the center axis of the step member.

28 (withdrawn). The device of claim 24, wherein the extension has a body contacting surface and is formed to have a simple geometric shape selected from the group consisting of: square, rectangle, triangle, oval, and circle.

29 (withdrawn). The device of claim 25, wherein the extension has length and width dimensions that are less than the dimensions of the central opening in the patch.

30 (withdrawn). The device of claim 24, wherein the extension is appended to the step member with adhesive.

31 (withdrawn). The device of claim 24, wherein the step member is engaged with adhesive to the outer surface of the patch at selected points of contact.

32 (previously presented). The device of claim 1, wherein the adhesive is a pressure sensitive adhesive removably attachable to human skin.

33 (currently amended). The device of claim 1, wherein the step member comprises a viscoelastic material having a density in the range of 7 to 15 pounds per cubic foot, and a tensile strength from 40 to 80 psi ~~and a minimum elongation of 100%.~~

34 (original). The device of claim 33, wherein the viscoelastic material has a compression deflection at 25% of from 3 to 10 psi.

35-42 (canceled).

43 (currently amended). A method for dampening vibration of soft tissue or musculature of a human wearer's body part, comprising:

providing a vibration dampening device for engaging human skin in the form of a patch comprising a viscoelastic material, said patch having a nominal width and a nominal length and defining an outer periphery, and wherein said patch has (i) a body contacting surface comprising an adhesive and (ii) an outer surface, and wherein a step member with a distal end is engaged to the patch so that the distal end extends beyond the outer periphery of the patch; and

removably engaging the device to the body part;

~~wherein said body contacting surface is loosely coupled to human skin to allow ease of movement.~~

44 (original). The method of claim 43, wherein the patch is applied to a body part selected from the group consisting of: finger, hand, wrist, forearm, upper arm, foot, ankle, lower leg, thigh, buttock, torso, neck, shoulder blade, upper back, lower back, waist, and stomach.

45 (original). The method of claim 43, wherein the step member has two ends and both ends extend beyond the outer periphery of the patch.

46 (withdrawn). The method of claim 43, further comprising a second step member engaged to the patch, and wherein said second step member has a distal end that extends beyond the outer periphery.

47 (withdrawn). The method of claim 46, wherein the step member defines a center axis along its length and wherein the second step member defines a center axis along its length, and further wherein the step member and second step member are engaged to the patch such that the center axis of the step member and the center axis of the second step member are generally perpendicular to one another.

48 (previously presented). The method of claim 43, wherein the patch defines a slot, and the step member is engaged to the patch by threading it through said slot.

49 (original). The method of claim 48, wherein the patch defines a second slot, and the step member is engaged to the patch by threading it through the slot and the second slot.

50 (original). The method of claim 49, wherein the step member has two ends and a central portion, and further wherein the step member is slidably engaged to the patch such that the distal end and the other end are adjustably extended away from the outer periphery of the patch by sliding the step member within the slot and the second slot.

51 (withdrawn and currently amended). The method of claim 43, further comprising one or more wings formed in the outer periphery of the patch, wherein the wings have freedom of movement with respect to a central portion of the patch.

52 (withdrawn). The method of claim 43, wherein the wings are formed by a series of slits cut

through the patch at its outer periphery.

53 (withdrawn). The method of claim 43, wherein the step member has a length and a width and defines a center axis along its length, and further comprising an extension appended to the distal end of the step member, wherein at least one end of said extension extends beyond the width of the step member.

54 (withdrawn). The method of claim 43, wherein the step member has a length and a width and defines a center axis along its length, and wherein the patch defines a central opening formed therethrough, and further comprising an extension appended to the step member at a position along its length.

55 (withdrawn). The method of claim 54, wherein the extension is appended to the step member such that the extension is held within the central opening formed through the patch.

56 (currently amended). The method of claim 43, wherein said adhesive comprises a pressure sensitive adhesive that is removably attachable to human skin is applied to the central portion of the patch on the body contacting surface causing the patch to be removably engageable to the body part.

57 (currently amended). The method of claim 43, wherein the ~~step member comprises a~~ viscoelastic material ~~having~~ has a density in the range of 7 to 15 pounds per cubic foot, a tensile strength from 40 to 80 psi and a minimum elongation of 100%.

58-64 (canceled).

65 (new). A vibration dampening device for engaging to human skin, comprising: a patch having a nominal width and a nominal length and defines an outer periphery, and wherein said patch has a body contacting surface and an outer surface; and a step member engaged to the patch, wherein said step member (i) has a force constant in a range of 01 to 5 pounds per inch,

(ii) has a distal end that extends beyond the outer periphery and (iii) has freedom of movement with respect to the patch.

66 (new). The device of claim 65, wherein the step member has a length and defines a center axis along its length, and further comprising an extension appended to the distal end of the step member, said extension having a force constant between 0.1 and 5 pounds per inch.

67 (new). A vibration dampening device for engaging to human skin, comprising: a patch defining an outer periphery and a central portion, wherein said patch comprises a viscoelastic material and has a body contacting surface and an outer surface, and wherein at the central portion the body contacting surface is constrained from movement relative to the skin to which the patch is engaged.

68 (new). The device of claim 67, wherein the patch further defines an opening formed therethrough at the central portion of the patch.

69 (new). The device of claim 67, wherein the patch is formed to have a simple geometric shape selected from the group consisting of: square, rectangle, triangle, oval, and circle.

70 (new). The device of claim 67, wherein a pressure sensitive adhesive removably attachable to human skin is applied to the body contacting surface of the patch at the central portion.